M382C Algebraic Topology; Unique Number 60335

Lecturer: Alan Reid
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Office Hours: Monday and Wednesday; 3:30–5:00pm, or by appointment.
Textbook: Armstrong, Basic Topology.

I may use bits of several texts, and might copy and hand-out relevant parts. In particular for the homology part of the course. But Armstrong covers all of the topics in the course—in varying degrees of rigour.

Grading:
There will be one Midterm worth 100, and the Final is worth 200. Homework given on the Wednesday, and collected the following Wednesday each marked out of 10. The best ten homeworks will count. Grades will then be given by curving accordingly.
Consistently late homework will not be acceptable.
The Final is scheduled for Friday December 15, 9–noon. The midterm date will be announced soon.

About the Course
The main parts of the course are:
1. Manifolds: Identification Spaces, topological manifolds.
2. Triangulated manifolds: Classifying 2-manifolds.
3. Fundamental group and Covering Spaces.
4. Simplicial homology. Other homologies will also hopefully be covered.
5. Applications of homology groups: Degree of maps and Lefschetz number.

From the Deans Office:
The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.

Alan Reid